

1/21

FIG. 1
PRIOR ART

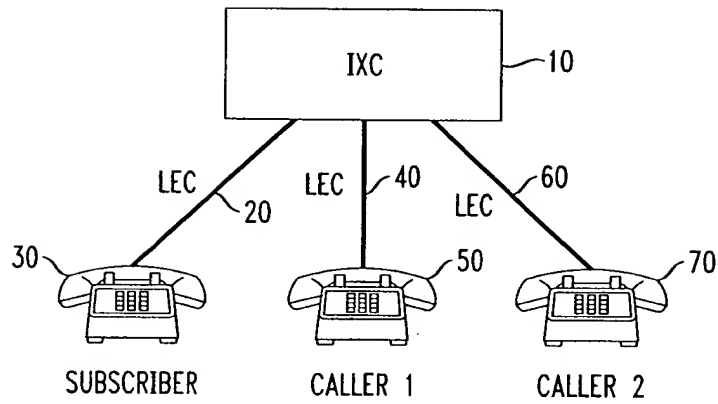


FIG. 2A
PRIOR ART

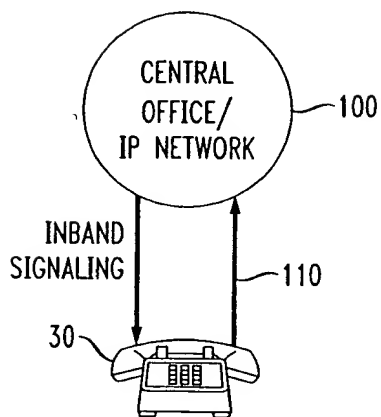


FIG. 2B

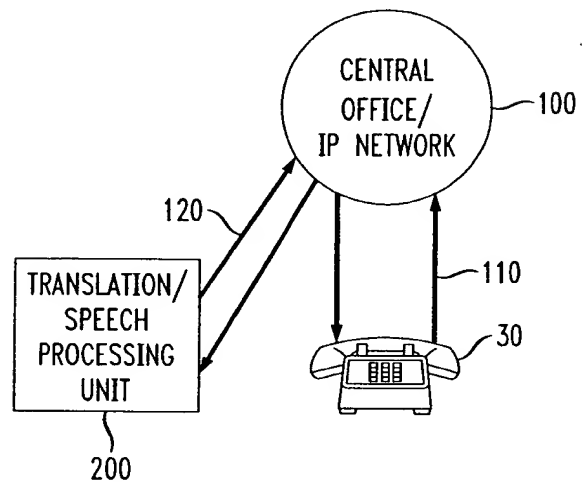


FIG. 3A

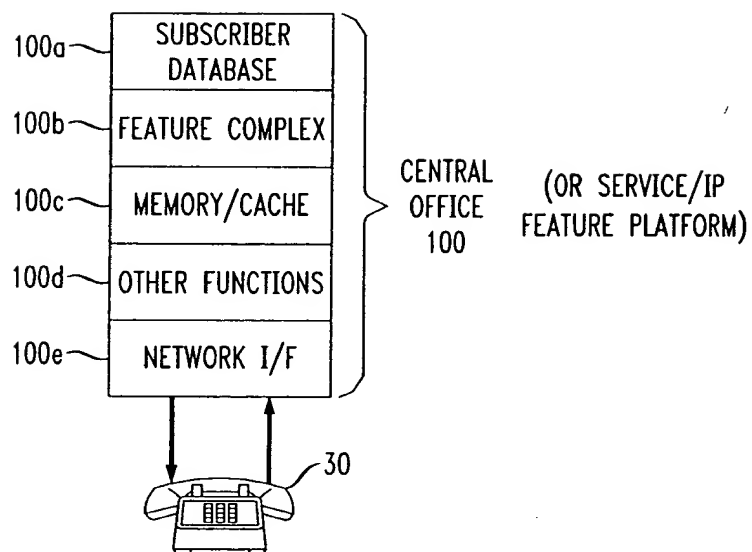
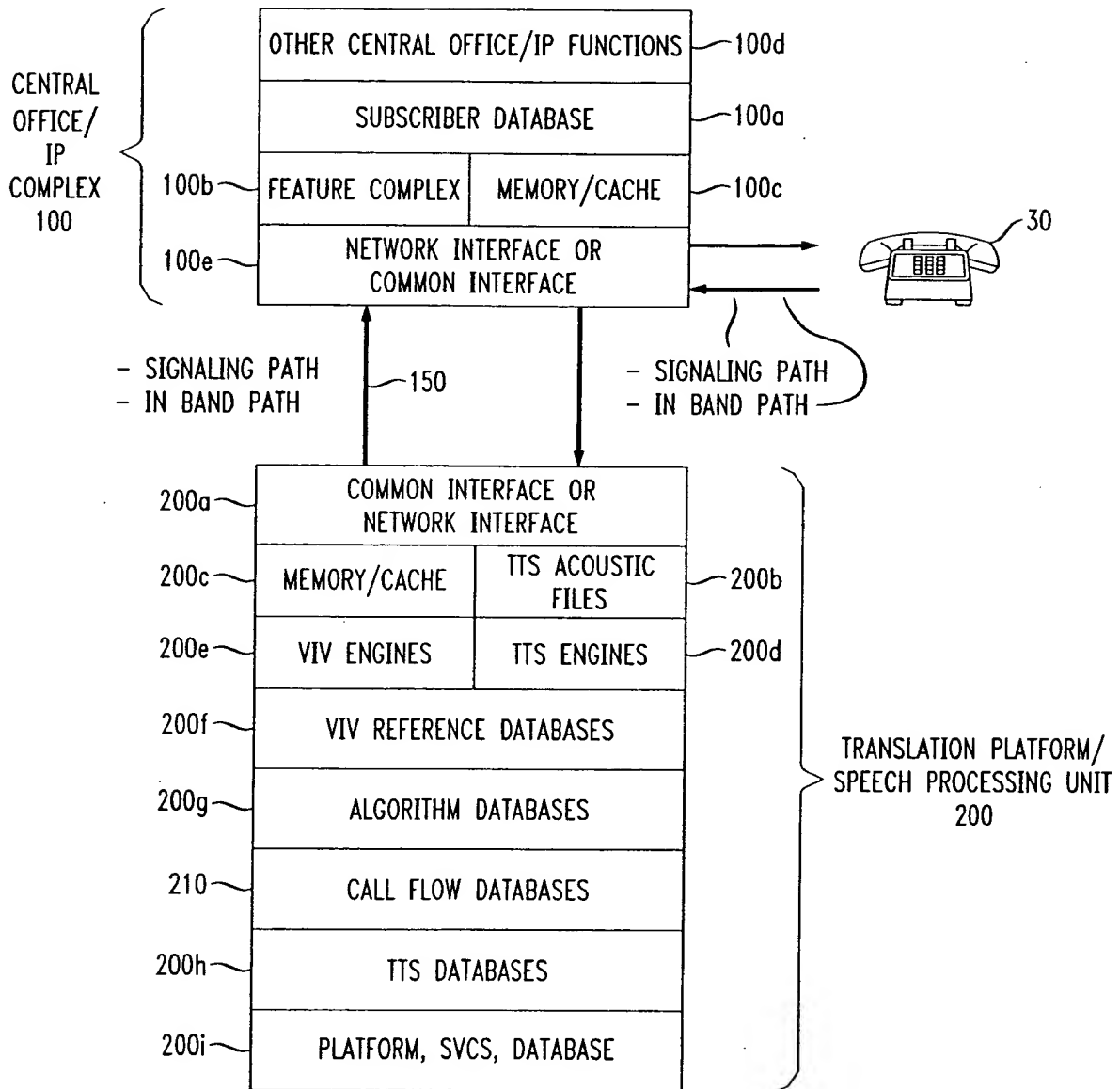


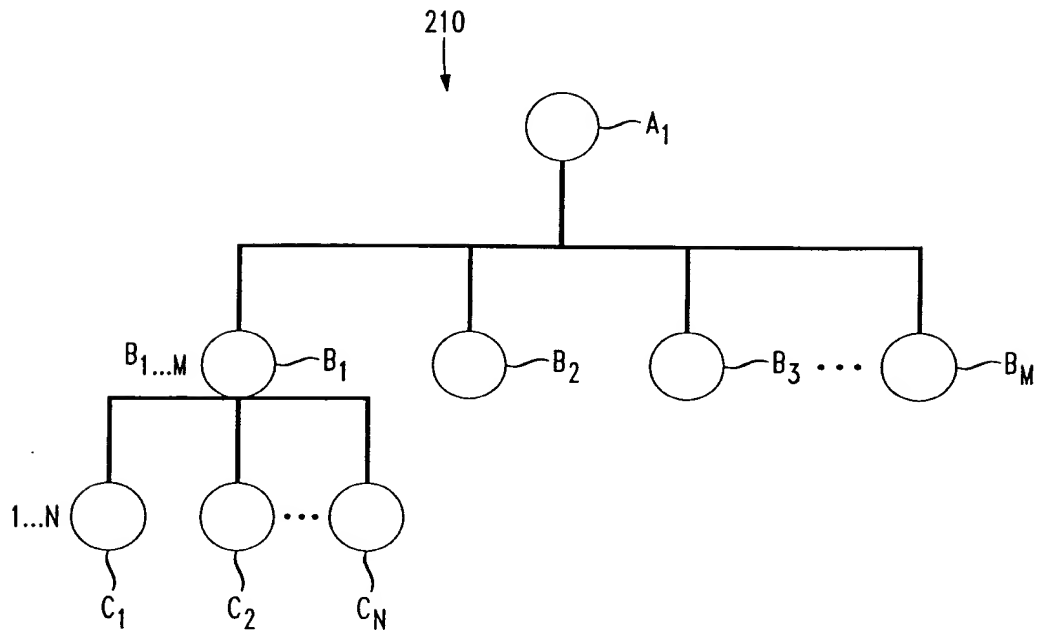
FIG. 3B



VIV = VERBAL INFORMATION VERIFICATION
TTS = TEXT TO SPEECH

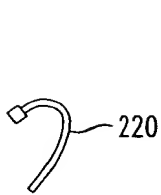
FIG. 4

SYSTEM STATE DATABASE

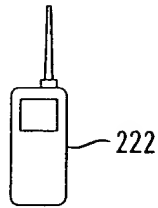


5/21

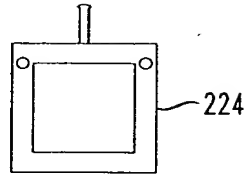
FIG. 5A



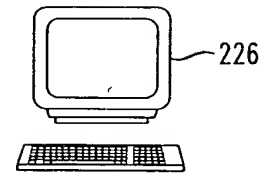
EARBUD AND
FEATURE LIST
- MICROPHONE
- SPEAKER
- ETC.



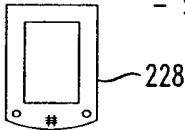
HANDSET AND FEATURE LIST
- KEYPAD (CONFIG.)
- DISPLAY
- SIZE OF DISPLAY
- COLORS AVAILABLE
- MICROPHONE
- SPEAKER
- ETC.
- SCANNER



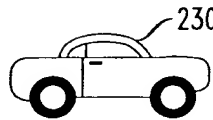
WIRELESS APPLIANCE
AND FEATURE LIST
- DISPLAY
- SIZE OF DISPLAY
- COLORS AVAILABLE
- STYLUS
- SPEAKERS
- MICROPHONE
- ETC.
- MEMORY



PERSONAL COMPUTER
AND FEATURE LIST
- DISPLAY
- SIZE OF DISPLAY
- COLORS AVAIL.
- MOUSE
- MICROPHONE
- SPEAKER
- PRINTER
- CAMERA
- KEYBOARD (CONFIG.)
- SCAN
- MEMO

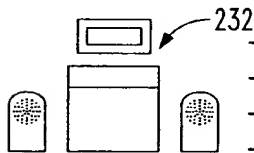


PALM PERSONAL COMPUTER
AND FEATURE LIST
- DISPLAY
- SIZE
- COLORS
- MICROPHONE
- SPEAKERS
- CAMERA
- MEMORY
- ETC.

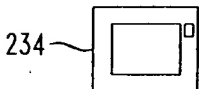


TELEMATICS AND
FEATURE LIST
- DISPLAY
- SPEAKERS
- AIR BAG SENSOR
- ENGINE SENSOR
- VITAL SIGNS SENSOR
- PASSENGER SENSOR
- CAMERA
- KEYPAD
- MEMORY

ETC.



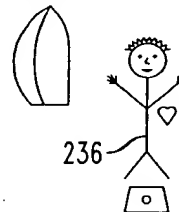
ENTERTAINMENT CENTER
AND FEATURE LIST
- DISPLAY
- SPEAKERS
- MICROPHONE
- CAMERA
- ETC.
- REMOTE CONTROL
KEYPAD (CONFIG.)



APPLIANCE AND
FEATURE SET
- KEYPAD (CONFIG.)
- SPEAKERS
- DISPLAY
- MICROPHONE
- SCANNER

MICROWAVE OVEN, OVEN,
REFRIGERATOR, ETC.

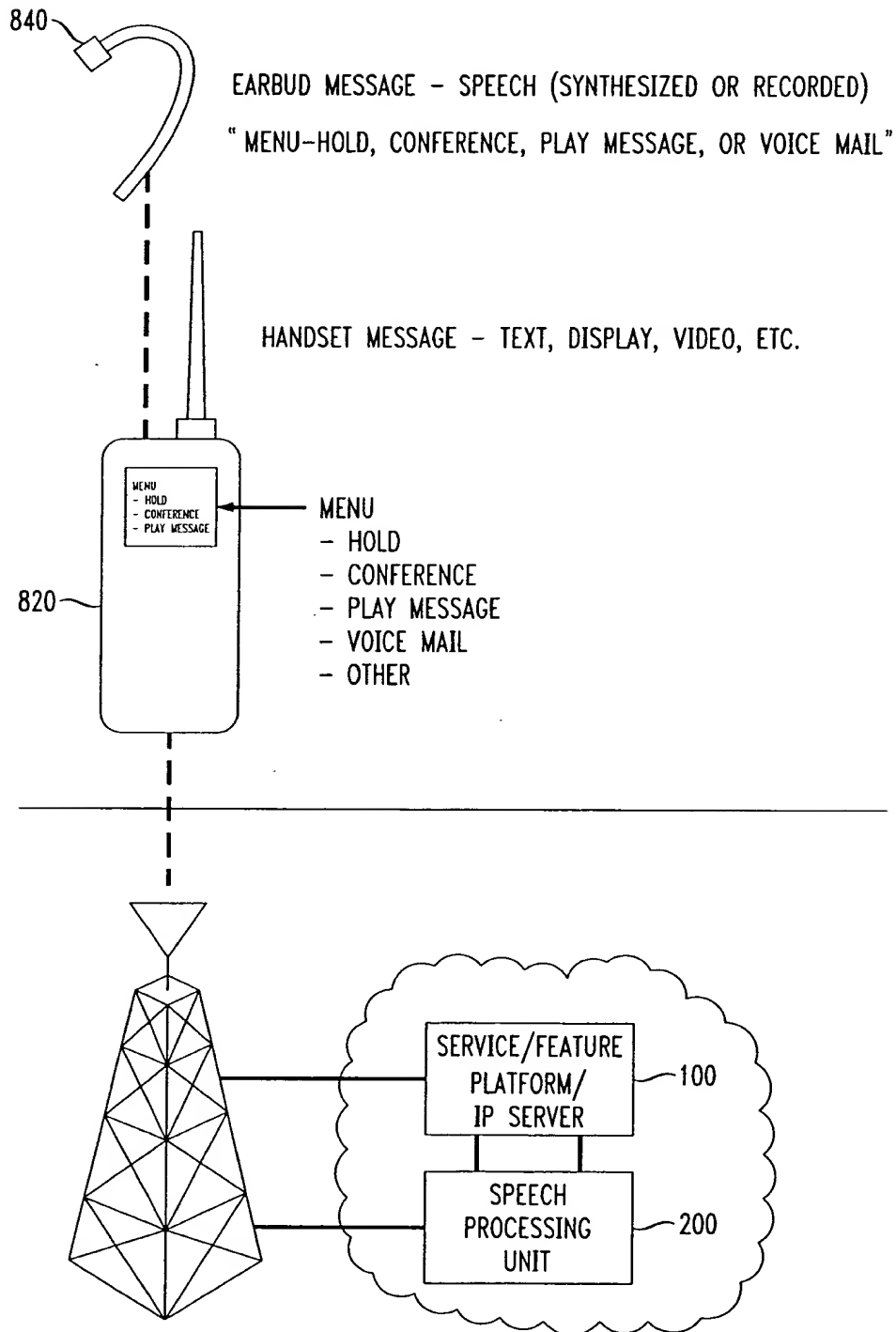
RESIDENTIAL
GATEWAY



CARDIAC MONITOR
BLOOD PRESSURE MONITOR
BLOOD SUGAR MONITOR
SCALE
- DISPLAY
- KEYPAD
- SPEAKER
- MICROPHONE
- SPECIAL METRICS/
I DEVICE

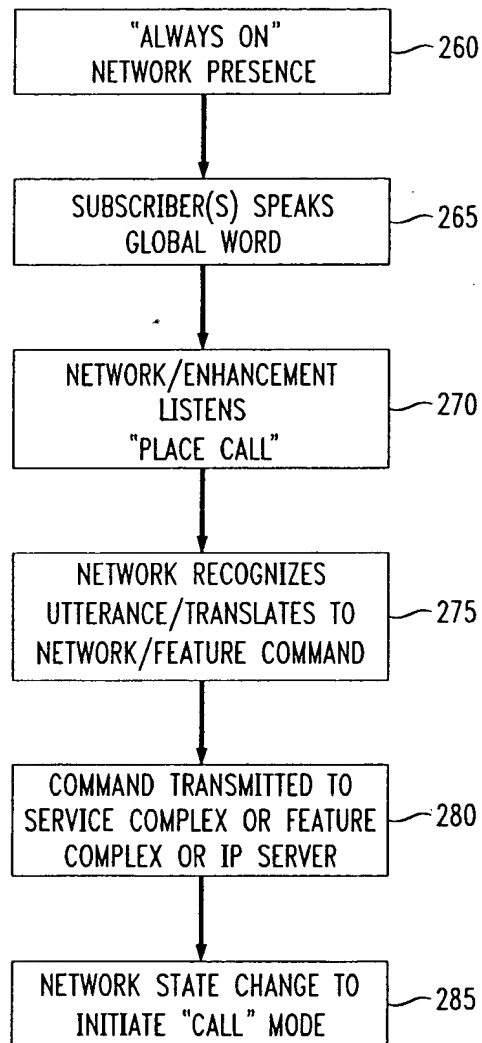
7/21

FIG. 5C



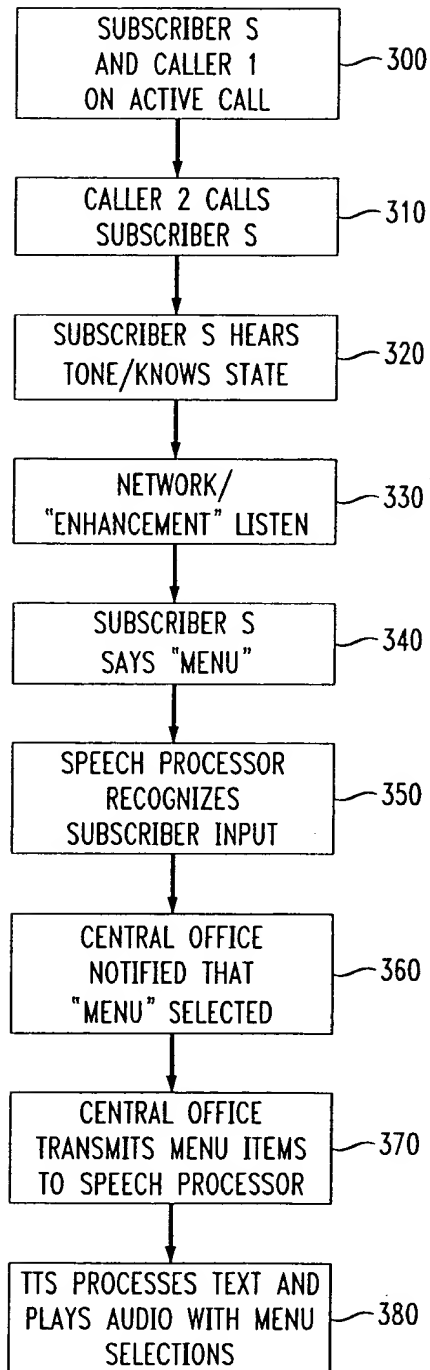
8/21

FIG. 6A



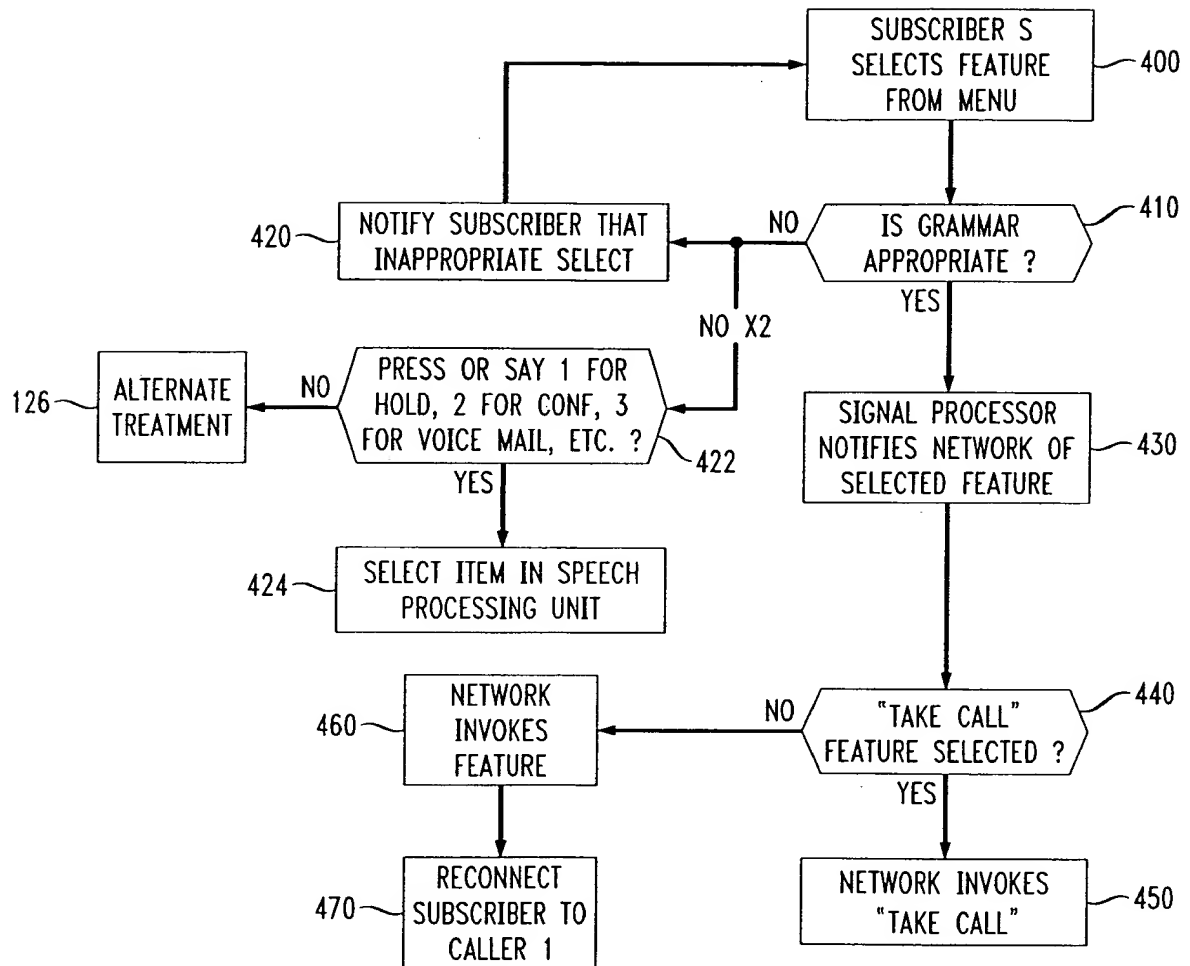
9/21

FIG. 6B



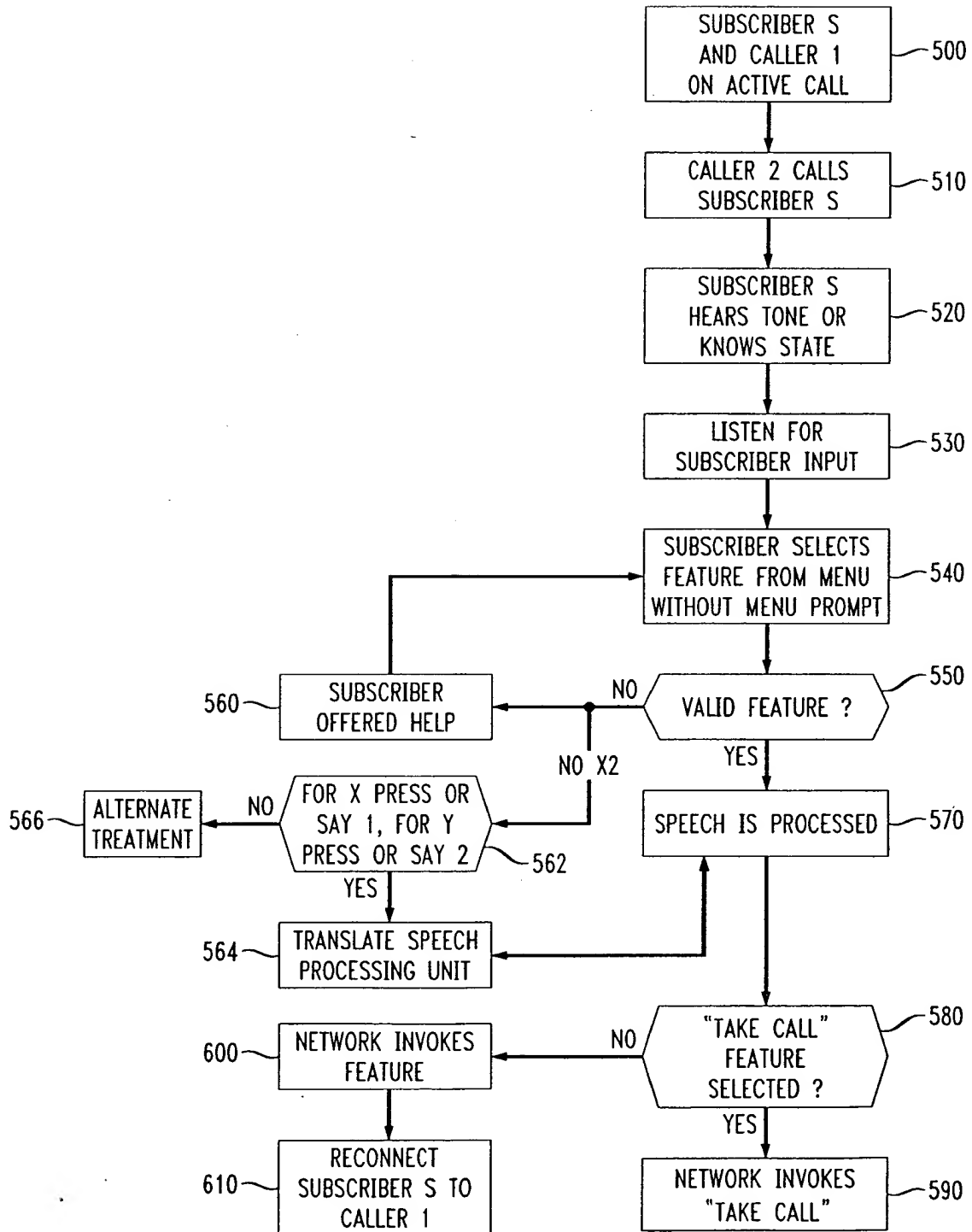
10/21

FIG. 6C



11/21

FIG. 7



12/21

FIG. 8A

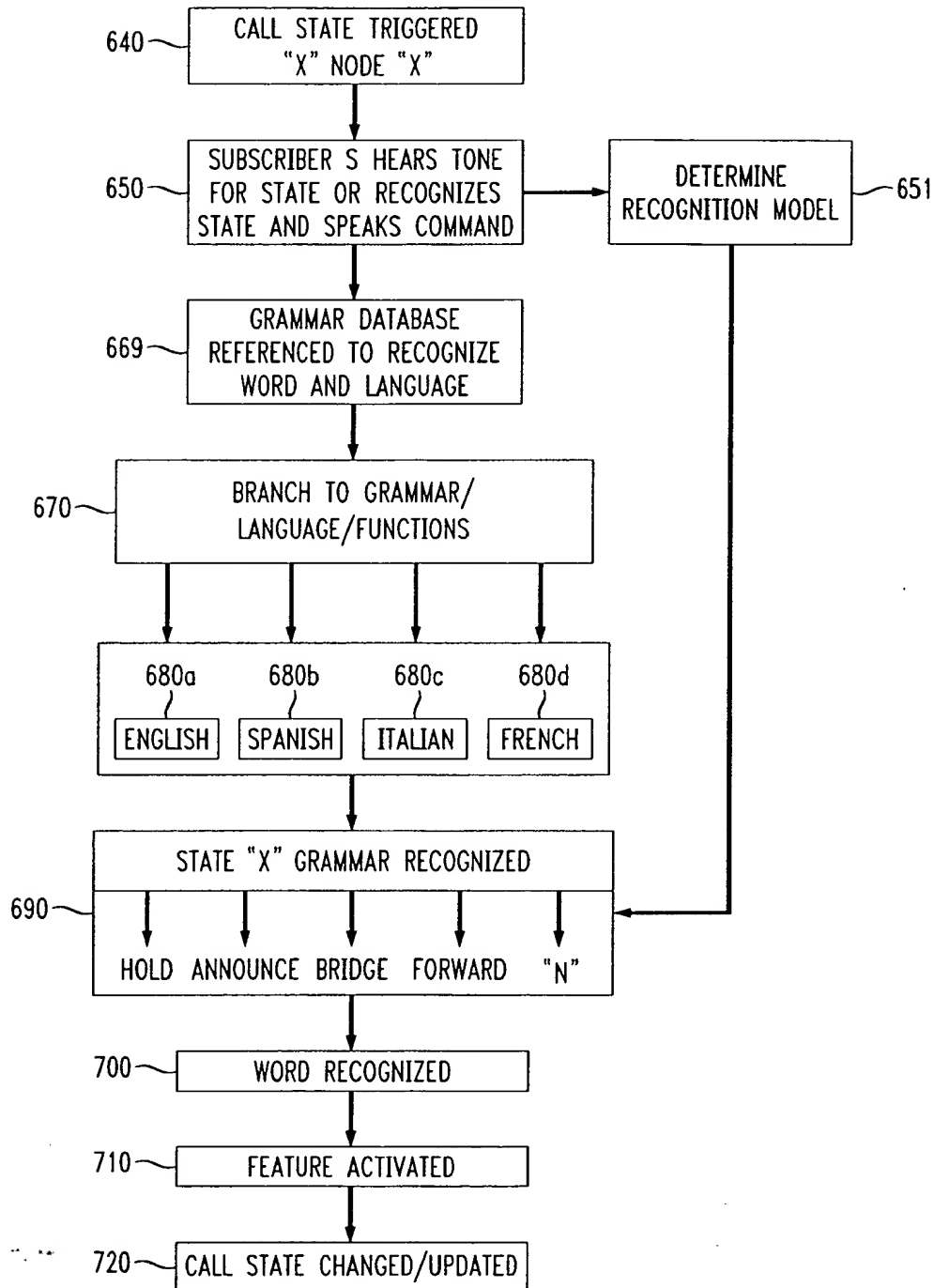


FIG. 8B

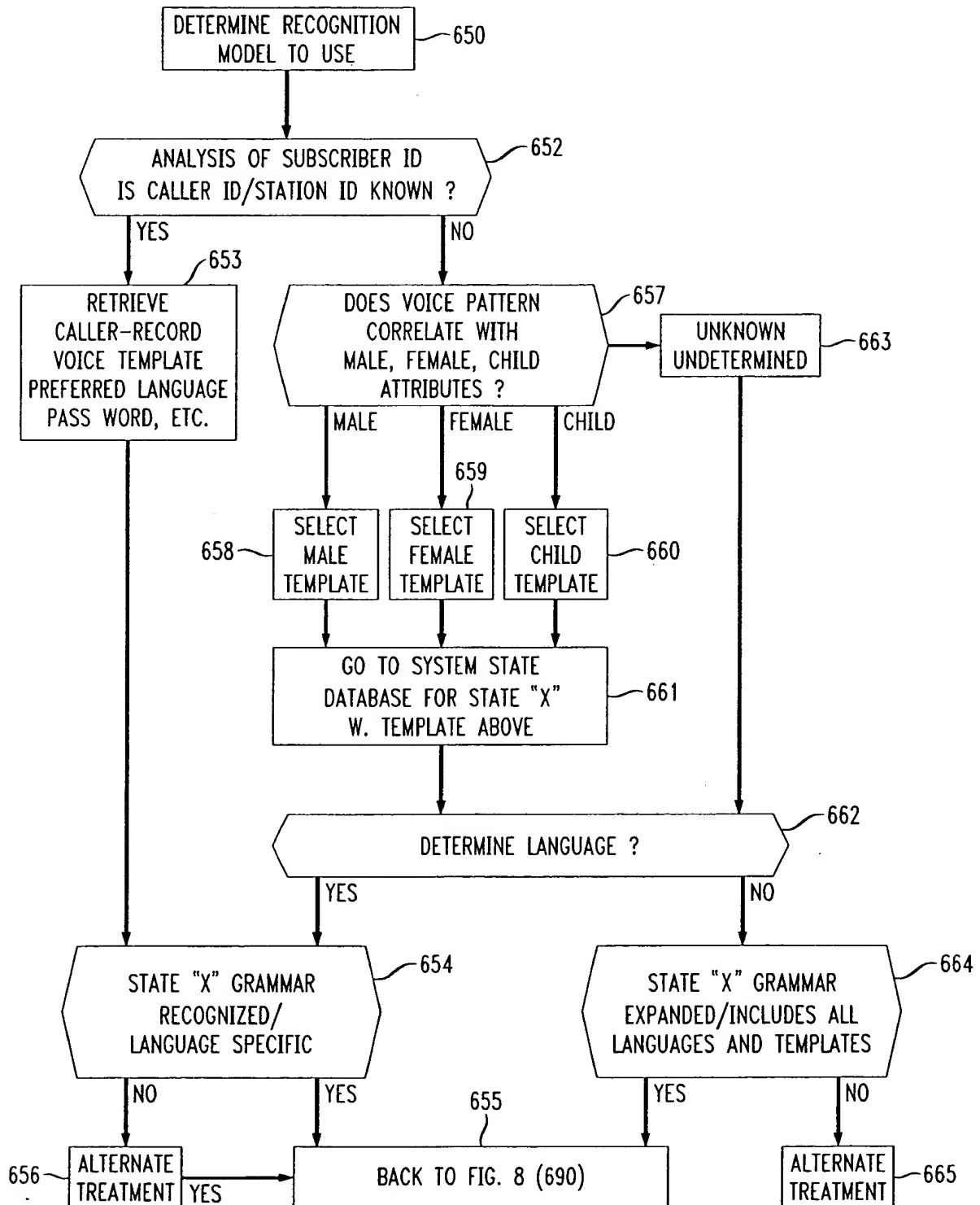


FIG. 8C

CALLER-RECORD DATABASE

666

CALLER ID/ STATION ID	CUST ID	VOICE TEMPLATE	PASSWORD/KEY	PREF. LANGUAGE	SUBSCRIPTION INFORMATION
732-555-1111	0231	FILE 0231	TURTLE	ENGLISH	REMOTE ACCESS
732-555-2222	0232	FILE 0232	MARTIAN	ENGLISH	LOCAL/REGIONAL
732-555-3333	0233	FILE 0233	ORANGE	ENGLISH	REMOTE ACCESS

•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 9

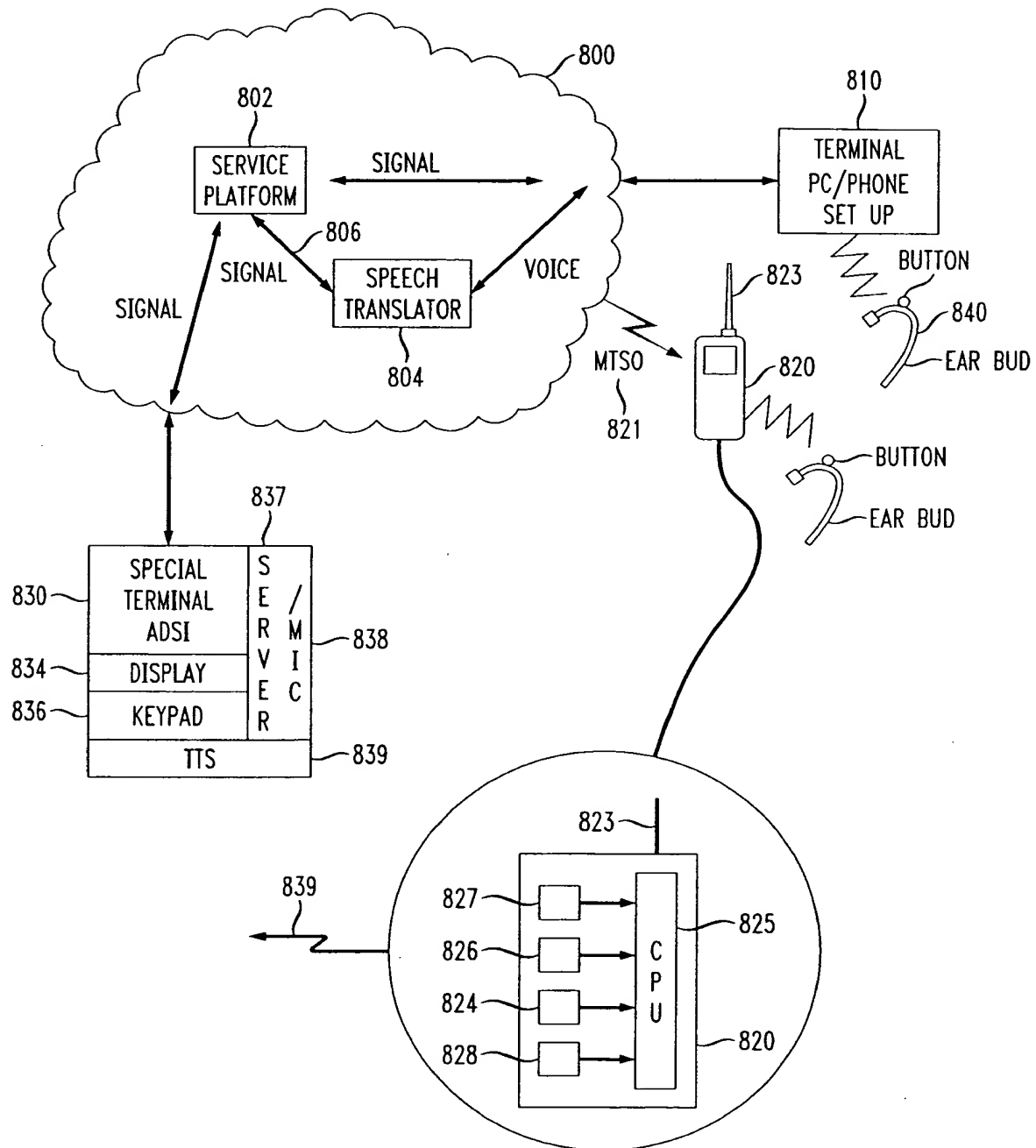


FIG. 10A

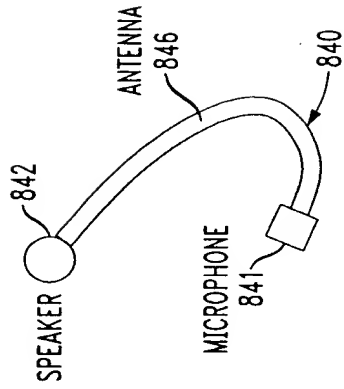


FIG. 10B

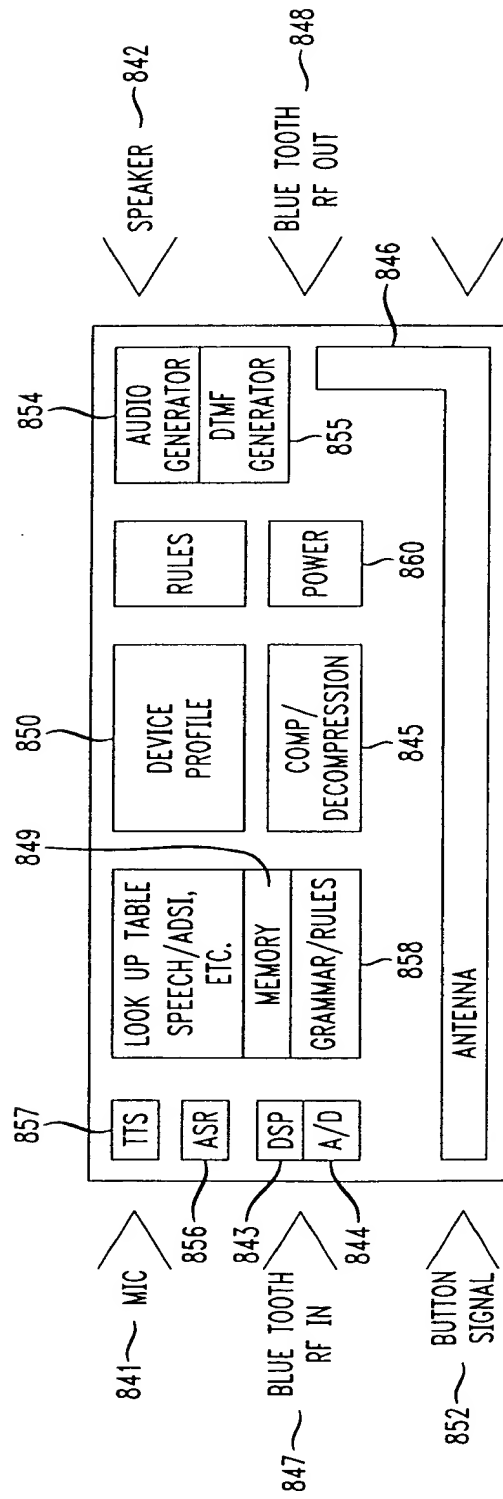
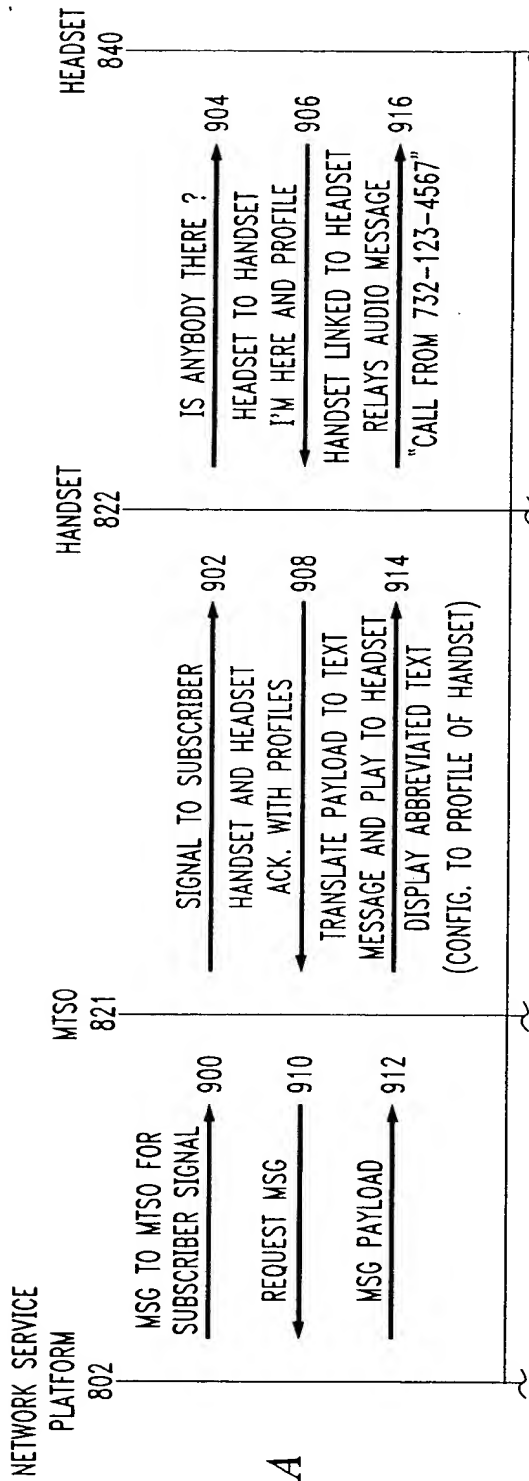
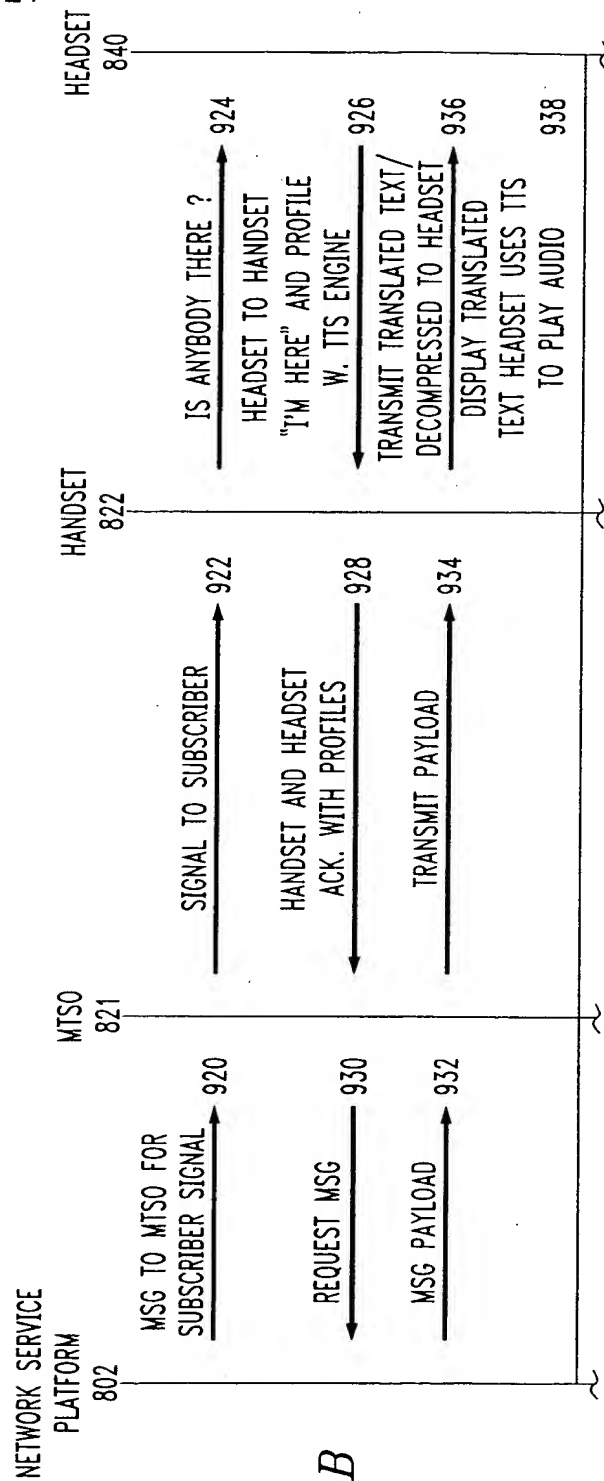


FIG. 11A



17/21

FIG. 11B



NETWORK SERVICE
PLATFORM
802

MTSO
821

HANDSET
822

HEADSET
840

MSG TO MTSO FOR
SUBSCRIBER SIGNAL 940
REQUEST MSG 946
MSG PAYLOAD 948

SIGNAL TO SUBSCRIBER 942
SUBSCRIBER RESPONDS W.
PROFILE/TTS ENGINE ON BOARD 944
TRANSLATE PAYLOAD TO TEXT
MSG/TRANSMIT/COMPRESSED TEXT 950

HANDSET USES TTS TO PLAY
DECOMPRESSED MESSAGE 952

FIG. 11C

NETWORK SERVICE
PLATFORM
802

MTSO
821

HANDSET
822

HEADSET
840

MSG TO MTSO FOR
SUBSCRIBER SIGNAL 960
REQUEST MSG 966
MSG PAYLOAD 968

SIGNAL TO SUBSCRIBER 962
ACK. W. PROFILES (NO TTS) 964
TRANSMIT TRANSLATED
PAYLOAD AS AUDIO 970

FIG. 11D

FIG. 12

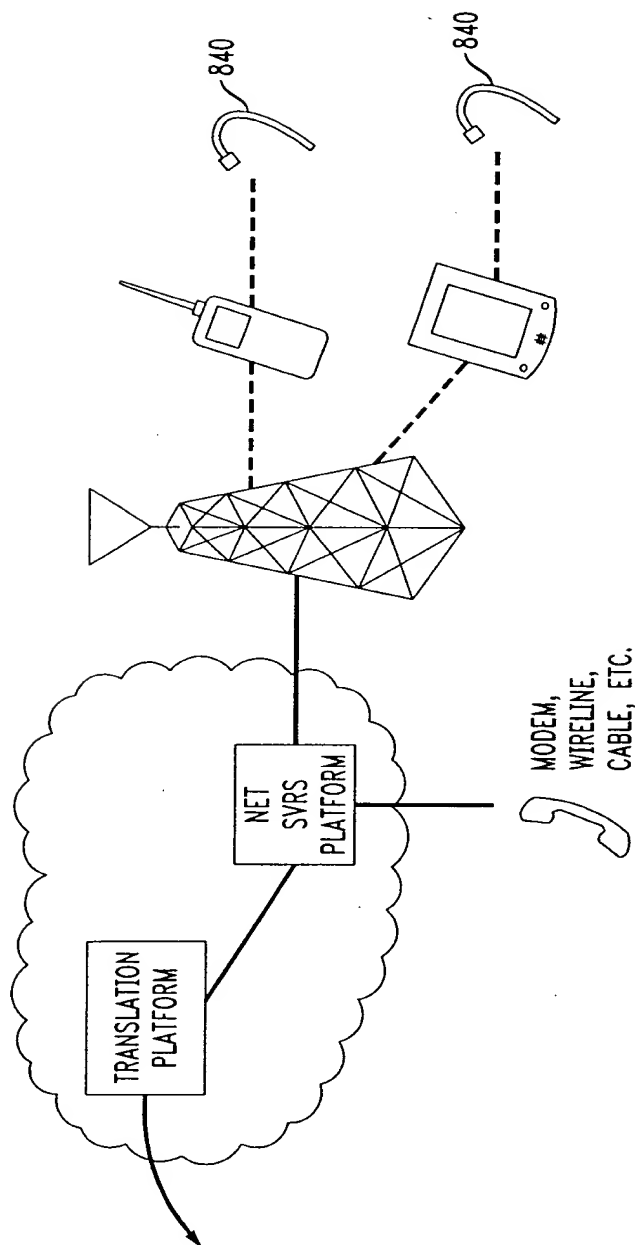


FIG. 13

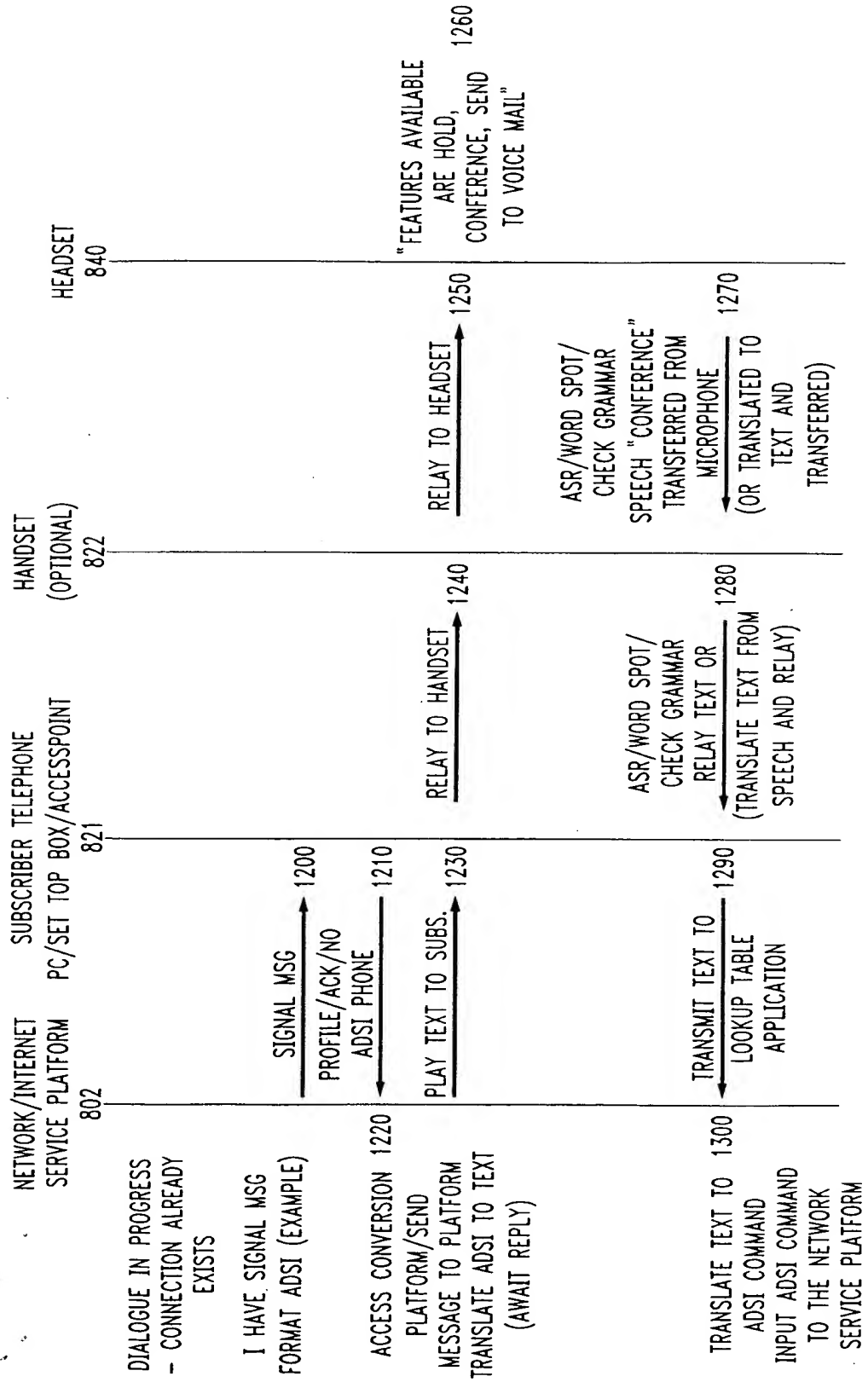


FIG. 14

